

Patent Abstracts of Japan

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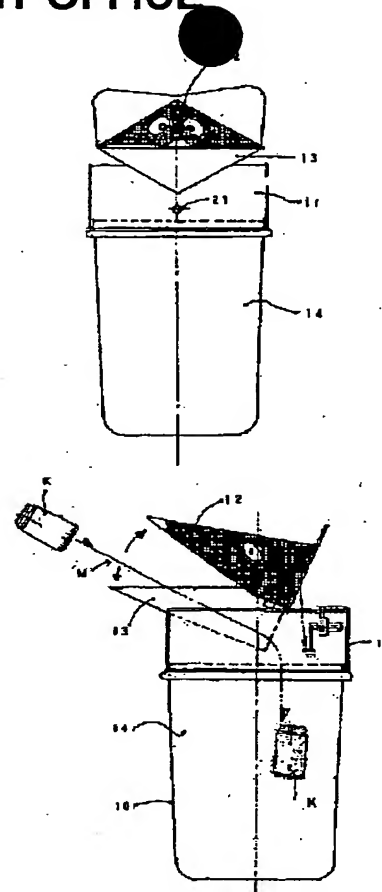
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TITLE : DUST BOX



ABSTRACT : PROBLEM TO BE SOLVED: To call attention of a person, give a beautiful appearance, arouse a interest in throwing an empty can, and improve the recovery rate by using a lid, which rotatably attached to a mount lid mounted on the top end of a storage box for storing empty cans, by a sensor in the front face of the mount lid, a drive source and a transmission mechanism provided in the rear part inside.

SOLUTION: A mount lid 11 is installed in an opening in the top end of a storage box 14 for storing thrown empty cans K and a sensor 21 which is operated, when a person approaches to the front face in a prescribed range is provided. A tray 13 is fixed to the top end of the mount lid 11 and an opening/closing lid 12 having a shape, for example, of some character is rotatably attached thereto by a hinge provided in its rearward. A motor provided in the rear part inside of the mount lid 11 is driven by the command of the sensor 21 and the rotation is converted into a reciprocating movement of a wire via a transmission mechanism so as to rotationally move the opening/closing upper lid 12. When a person approaches to a prescribed range, the sensor 21 is operated so that the opening part M is opened, an empty can K is thrown therein, and, when the person is apart after completing the throwing, the opening part M is closed by the sensor 21.

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